



United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N	WAG013047	010331	=	R	3
Remarks					
21					
66					
Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved	
67 69	70	71	72	73 74 75 80	

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time/Date	Permit Effective Date
Edaleen Dairy, LLC 9409 Depot Road Lynden, WA 98264	3/31/10 9:45 am	7/21/06
	Exit Time/Date	Permit Expiration Date
	3/31/10 1:00 pm	7/21/11
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data (e.g., SIC NAICS, and other descriptive information)	
Dale Boersema, Farm Manager (b) (6) (Mobile) (b) (6) (Facility)	SIC = 0241	
Name, Address of Responsible Official/Title/Phone and Fax Number	Contacted	
Mitch Moorlay, General Manager, 360-815-0389 9409 Depot Road Lynden, WA 98264	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
<input checked="" type="checkbox"/> Records/Reports	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pollution Prevention	
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	
<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description
• • • • •	• • • • •
• • • • •	• • • • •
• • • • •	• • • • •
• • • • •	• • • • •

See
attached
report.



Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Sandra Brozusky <i>Sandra Brozusky</i>	EPA/OCE/IEMU 206-553-5317	4/8/10
Jon Klemesrud	EPA/OCE/IEMU 206-553-5068	
Signature of Management/QA Reviewer <i>Jon Klemesrud</i>	Agency/Office/Phone and Fax Numbers	Date
		07/06/10

PCS WAG-013047

PCS
4-8-2010
JR

INSTRUCTIONS

Section A: National Data System Coding (i.e., PCS)

Column 1: Transaction Code. Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. (Use the Remarks columns to record the State permit number, if necessary.)

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A Performance Audit	U IU Inspection with Pretreatment Audit	! Pretreatment Compliance (Oversight)
B Compliance Biomonitoring	X Toxics Inspection	@ Follow-up (enforcement)
C Compliance Evaluation (non-sampling)	Z Sludge - Biosolids	{ Storm Water-Construction-Sampling
D Diagnostic	# Combined Sewer Overflow-Sampling	} Storm Water-Construction-Non-Sampling
F Pretreatment (Follow-up)	\$ Combined Sewer Overflow-Non-Sampling	: Storm Water-Non-Construction-Sampling
G Pretreatment (Audit)	+ Sanitary Sewer Overflow-Sampling	~ Storm Water-Non-Construction-Non-Sampling
I Industrial User (IU) Inspection	& Sanitary Sewer Overflow-Non-Sampling	< Storm Water-MS4-Sampling
J Complaints	\ CAFO-Sampling	- Storm Water-MS4-Non-Sampling
M Multimedia	= CAFO-Non-Sampling	> Storm Water-MS4-Audit
N Spill	2 IU Sampling Inspection	
O Compliance Evaluation (Oversight)	3 IU Non-Sampling Inspection	
P Pretreatment Compliance Inspection	4 IU Toxics Inspection	
R Reconnaissance	5 IU Sampling Inspection with Pretreatment	
S Compliance Sampling	6 IU Non-Sampling Inspection with Pretreatment	
	7 IU Toxics with Pretreatment	

Column 19: Inspector Code. Use one of the codes listed below to describe the lead agency in the inspection.

A — State (Contractor)	O — Other Inspectors, Federal/EPA (Specify in Remarks columns)
B — EPA (Contractor)	P — Other Inspectors, State (Specify in Remarks columns)
E — Corps of Engineers	R — EPA Regional Inspector
J — Joint EPA/State Inspectors—EPA Lead	S — State Inspector
L — Local Health Department (State)	T — Joint State/EPA Inspectors—State lead
N — NEIC Inspectors	

Column 20: Facility Type. Use one of the codes below to describe the facility.

- 1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
- 2 — Industrial. Other than municipal, agricultural, and Federal facilities.
- 3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
- 4 — Federal. Facilities identified as Federal by the EPA Regional Office.
- 5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

**NPDES
Inspection Report**

**Edaleen Dairy, LLC
Ferndale, Washington**

March 31, 2010

**Prepared by:
Sandra Brozusky, Environmental Protection Specialist
Environmental Protection Agency, Region 10
Office of Compliance and Enforcement
Inspection and Enforcement Management Unit**

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(Unless otherwise noted, all details in this inspection report were obtained from conversations with Dale Boersema or from observations during the inspection.)

I. Facility Information

Facility Name: Edaleen Dairy, LLC

Facility Type: Dairy (SIC = 0241)

Facility/Mailing Address: 9409 Depot Road
Ferndale, WA 98248
Whatcom County

Facility Phone #s: (b) (6) (Business)
(b) (6) (Dale's Cell)
(b) (6) (Mitch's Cell)

Facility Contact(s): Dale Boersema (Farm Manager)
Ed Brandsma (Primary Owner)
Mitch Moorlay (General Manager and Partial Owner)

II. Inspection Information

Inspection Date: March 31, 2010

Arrival Time: 9:45 AM

Departure Time: 1:00 PM

Weather: Overcast, no rain

Purpose: Determination of compliance with the facility's NPDES Permit and the Clean Water Act.

III. Permit Information

This facility is currently permitted under the Washington State Concentrated Animal Feeding Operation National Pollution Discharge Elimination System and State Waste Discharge Permit. The facility's NPDES permit number is WAG013047.

IV. Background and Activity

This dairy has been operated by the current owner since 1975. The waste generated at this facility is mainly from the areas where animals are confined (the feeding area and the

milking parlor). This waste includes manure and urine deposited in the confinement areas.

This facility has four confinement facilities located in different areas of the property. According to the map provided in the Nutrient Management Plan, these facilities are identified as F1, F2, F3 and the calf barn near application field 12a. In total the facility has eleven lagoons with a storage capacity just over 34.4 million gallons.

The inspection of this dairy is part of EPA Region 10's concentrated animal feeding operation initiative.

V. Individuals Present

The inspectors present for this inspection were Sandra Brozusky (EPA) and Jon Klemesrud (EPA).

The facility representative present during the inspection was Dale Boersema.

VI. Inspection Entry

This was an unannounced inspection. We arrived at the facility at 9:45 PM on March 31, 2010 where we met Mr. Boersema. We presented our credentials and explained the purpose of our visit.

Mr. Boersema accompanied us throughout the inspection. He did not deny us access to the facility.

VII. Inspection Chronology

We began the inspection with a brief opening conference in the office building at the facility. During the opening conference, I explained the purpose of the visit.

After the opening conference, we proceeded to review documents and conduct a tour of the facility. The facility tour included an inspection of the four facilities (including the barns, parlor and the waste storage lagoons at each facility). The tour also included an inspection of waste storage lagoons separate from the facilities and of nearby waterways.

We ended the inspection with a brief exit interview where we thanked Mr. Boersema for his time.

VIII. Owner and Operator Information

Majority ownership of Edaleen Dairy is controlled by Mr. Bransma. The dairy is managed by Mr. Moorlay, who retains partial ownership, and its daily operations are overseen by Mr. Boersema.

IX. Number of Animals

Mr. Boersema indicated that the property housed 2200 milking cows, 194 dry cows and 207 Heifers at the time of inspection.

X. Presence of Vegetation in the Confinement Areas

The barns at this facility (where the animals are fed and maintained) and the milking parlor had concrete floors. Based on my observation at the time of the inspection, the confinement barns and the milking parlor were devoid of vegetation.

XI. Length of Animal Confinement

According to Mr. Boersema, the animals are confined year round.

XII. Waste Management Process

The dairy has four confinement facilities (F1, F2, F3 and the calf barn) across the property. F1 houses milking and dry cows, while F2 and F3 house yearlings. The calf barn near application field 12a, houses calves only. See attachment A for an aerial map showing general locations of these facilities. Aerial overviews for each facility are included in attachment B.

In general, waste generated at the confinement areas can be pumped to various lagoons on the property, depending on available storage capacity. While each confinement facility has a storage lagoon nearby, the dairy owns and rents additional lagoons to store waste. Through a series of piping, waste can be routed to these lagoons for storage before the waste is land applied. In addition to the lagoons, the dairy owns three solid separators. Dry stacked manure from the separators is either exported to neighboring farms or land applied.

Mr. Boersema indicated that the facility has a total of approximately 900 acres (owned and leased) to land apply waste. Waste is applied using injection or a manure truck spreader.

XIII. Observed Discharge

At the time of this inspection, I did not see a discharge to nearby surface water.

XIV. Areas of Concern

We inspected the facility including the confinement areas and the waste handling system. I did not see any areas of concern at the time of inspection.

XV. Receiving Water

The closest receiving waters include Duffner Ditch, Bentrard Creek, Double Ditch, and Fishtrap Creek. According to Mr. Boersema these waterways ultimately lead to the Nooksack River.

XVI. Sample Collection and Analyses

I did not take samples at the time of inspection.

Report Completion Date:

7/6/10

Lead Inspector Signature:

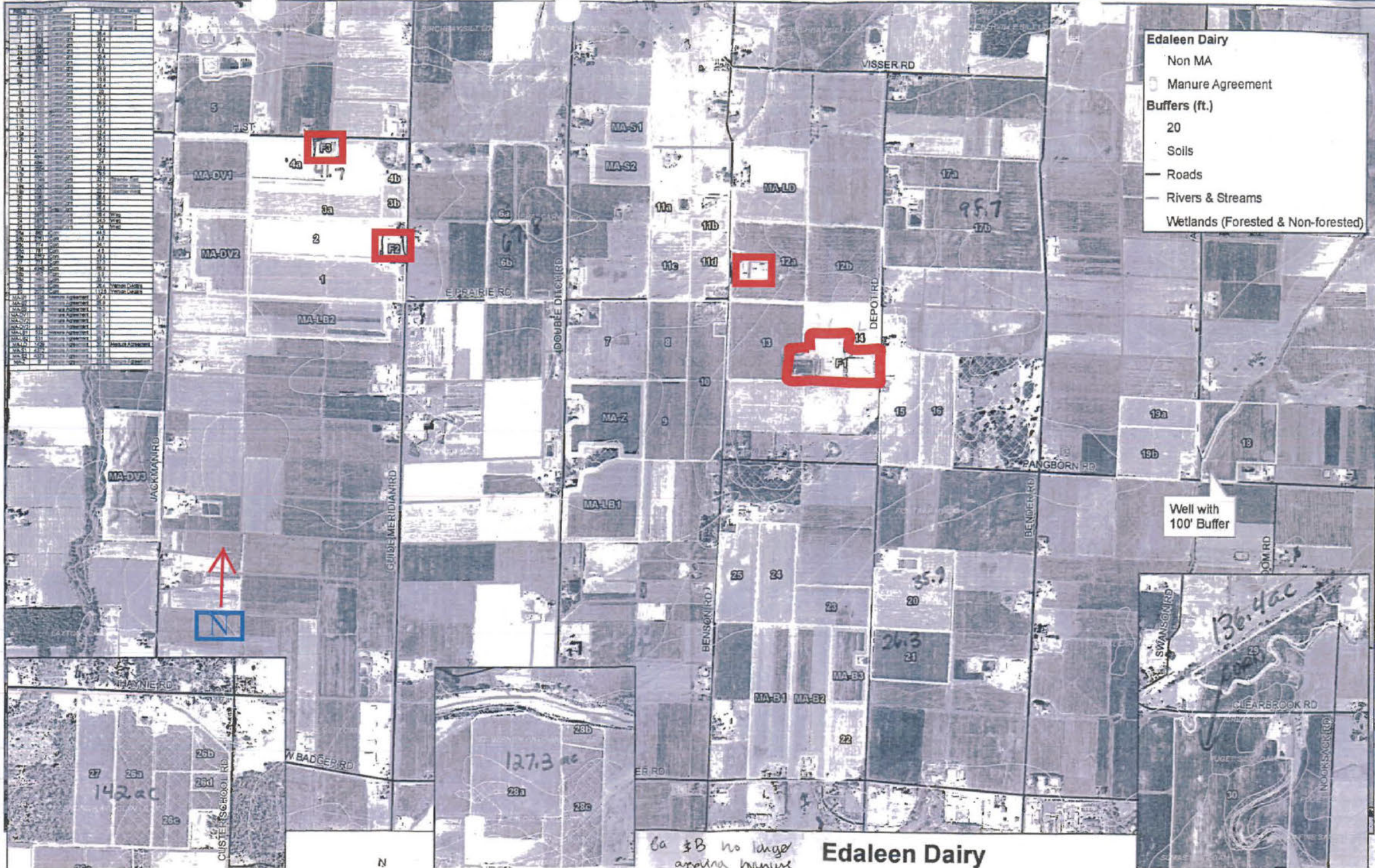
Andrew Boersema

ATTACHMENT A

Aerial Overview of the Edaleen Dairy Property

**Retrieved from the facility's Nutrient Management Plan
Edaleen Dairy, LLC**

(The red boxes outline the four facilities on the property)



ATTACHMENT B

Aerial Overviews of the Edaleen Dairy Facilities and Confinement Areas
Edaleen Dairy, LLC



Overview of F1, which houses the milking and dry cow's confinement areas



Overview of F2 which contains the confinement area for yearlings and the creamery building



Overview of F3 which also confines yearlings



Overview of the calf barn near application field 12a which confines calves only

ATTACHMENT C

Photograph Documentation **Edaleen Dairy, LLC**

All photographs were taken by Jon Klemesrud on March 31, 2010



Photo #1: View of the confinement area at F1 (Facility 1).



Photo #2: A view of one of two waste storage lagoons located at F1.